

Appl. No. 10/731,045
Response dated January 4, 2008
Reply to Office Action October 5, 2007

JAN 04 2008**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

Please amend claims 1, 2, 3, 12. Add new claims 17, 18. Please cancel claims 4 – 11, 13 – 16.

Listing of Claims:

1. (currently amended) In a Multi-processor network of local system Servers including each Server (702) having a computer program for causing a computer to operate for indicating the occurrence of hardware and software operating conditions, a health monitoring and corrective actuation system comprising:

(a) a Windows .NET Operating System (700) working in conjunction with a Server means (702);

(b) a HealthMonitor Service means (704) forming a Health Events Object for each local system using XML statements to monitor hardware and software and communicating with said .NET operating system (700) and providing input to a HealthEvents Service module (720);

(c) User-Client~~user-client~~ application/script means (712) for communicating with said Service Module (720) in order to provide information to said .NET Operating System (700) to enable the reporting and correction of undesirable HealthEvents and Predictive Trends which might lead to operational failures.

2. (currently amended) The system of claim 1 wherein said HealthMonitor Service means (b) (704) includes:

(b1) said HealthMonitor ~~service~~ Service means (704) providing policy parameters and items [[with]] indicating possible future problems;

(b2) data link library means (706) for indicating single violation reports~~[[,]]~~ on policy parameters, the collection of violation reports and methods available for permitting information to said client (712) regarding violations of policy parameters;

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(b3) Collection means (710) for holding violations of policy parameters and items subject to predictive failure;

(b4) storage means (700) for storing data from said ~~collection~~
Collection means (710);

(b5) output result means to notify said ~~User-Client~~ User-Client
application/script means (712) of action to be taken by said .NET
operating system (704).

3. (currently amended) In a Multi-processor network having a User-Client Application Script means and involving multiple numbers of "local systems", each local system including a Server (702) with a data provider and having a computer program for causing a computer to operate on a .NET platform to manage a Health Monitoring and corrective response service for handling each said "local system" involved, said network comprising:

(a) means for selectively monitoring on a 24-hour basis of each one of said local systems in said network automatically at startup;

(b) means to create a collection of health events and predictive events[[:]] said means including;

(b1) means to sense current operational and availability problems in each local system;

(b2) means to sense future trends which can predict future problems which may occur through use of a Predictive Events Collection;

(c) means to enable a series of defined operating policies P[[:]] including;

(c1) means to check when each policy P is enabled in a local system including;

(c1a) means to check a data item specified in said policy P;

(c1b) means to sense a violation of Policy P;

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(c1c) means to create a Violation Event and add it to said collection of Health Events;

(c1d) means for utilizing a separate processing Thread T for monitoring each provider;

(c2) means to read a file of P attributes to determine:

(i) what to monitor;

(ii) how often to monitor;

(iii) what action to take when a policy violation is sensed;

(d) means to check each local system, for any violation of said series of operating policies P[[:]] including:

(d1) means to check the monitoring of Policy P to sense if predictive data is encountered;

(d2) means to add each sensing of a predictive event to said Predictive Events collection;

(e) means to collect a list of policy violations detected[[:]] including:

(e1) means to send a warning signal to said client-user regarding possible future failure of said predictive event in said Predictive Events collection;

(f) means to apply corrective actions in those areas where policy violations of Policy P have been detected[[:]] including:

(f1) means to utilize a User-Client application/script means to provide corrective action on said violation of Policy P.

4. (canceled)

5. (canceled)

6. (canceled)

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7. (canceled)
8. (canceled)
9. (canceled)
10. (canceled)
11. (canceled)
12. (currently amended) In a network of multi-processors having a series where multiple servers operate as a set of local systems each local system connected to a Windows™ .NET operating system utilizing a computer program and operated by Client-Users, a method for monitoring the health of and for providing remedial actions to said monitored local systems comprising the steps of:

- (a) monitoring the state of hardware and software in each of said local systems over a selected time period;
- (b) collecting Health Events data in a Health Events Object with a Collection file for each local system[[:]] including the steps of:
 - (b1) establishing Health Events parameters which set standards of acceptability and non-acceptability for each local system including the steps of:
 - (b1a) establishing trend setting predictive means to sense when an event is trending toward a direction of failure;
 - (b1b) notifying said Client-User of impending failure events;
 - (b2) sensing each local system for operations which violate said parameters of acceptability;
- (c) enabling applications/scripts for handling system health conditions deemed outside of pre-set parameters reported in a Health Events Object[[:]];

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(d) utilizing a .NET platform working with a Server operating as a local system and subject to a Health Monitor Services program;

(e) enabling a Server Director program to access Health Events and Predictive Events objects in a said Collection file, including:

(e1) establishing a pre-set Policy P for each local system;

(e2) collecting violations of each said Policy P;

(e3) enabling scripts to handle each noted violation of said Policy P;

(f) applying an application/script program to institute corrective action for selected events in said Collection file.

13. (canceled)

14. (canceled)

15. (canceled)

16. (canceled)

17. (new) In a network where multiple Servers operate as a set of local systems, each local system connected to a Windows™ .NET operating system utilizing a computer program, a method for monitoring the health of and for providing remedial actions to each of said monitored local systems comprising the steps of:

(a) initiating a Health Monitor (704) Service forming a Health Events Object for each local system utilizing an inbuilt sequence of XML statements to monitor hardware and software of each local system and to provide corrective response actions required, including the steps of:

(a1) collecting events that violate internal operating policies;

(b) monitoring of each local system present and also any later added local systems present in the network configuration by evaluating a pre-set policy P on each Health Event, including the steps of:

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- (b1) retrieving by each local system of Health Events in said Health Events Object;
 - (b2) operating a Knowledge script to retrieve each detected abnormal Health Event and each predictive event indicating a trend toward degraded operation;
 - (c) flashing of an icon on a tree view in each local system to indicate an abnormal event or a predictive trend.
18. (new) The method of claim 17 which includes the steps of:
- (d) enabling corrective application scripts for handling Health Events deemed outside of pre-set Policy parameters reported in said Health Events Object.